



**Meeting of the
International Science and Engineering Advisory Committee
March 26, 2015**



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Overview

- FY 2016 ISE Budget
- FY 2016 NSF Cross-Foundation Investments
- Gendered Science and Innovation
- G8 Working Group on Research Assessment Meeting
- Organizational Issues

FY 2016 Congressional Submission

OISE Funding					
(Dollars in Millions)					
				Change Over	
	FY 2014	FY 2015	FY 2016	FY 2015 Estimate	
	Actual	Estimate	Request	Amount	Percent
OISE	\$48.31	\$48.52	\$51.02	\$2.50	5.2%
Totals may not add due to rounding.					



FY 2016 Cross-Foundation Investments



INFEWS



UtB



NSF
INCLUDES



Risk and
Resilience

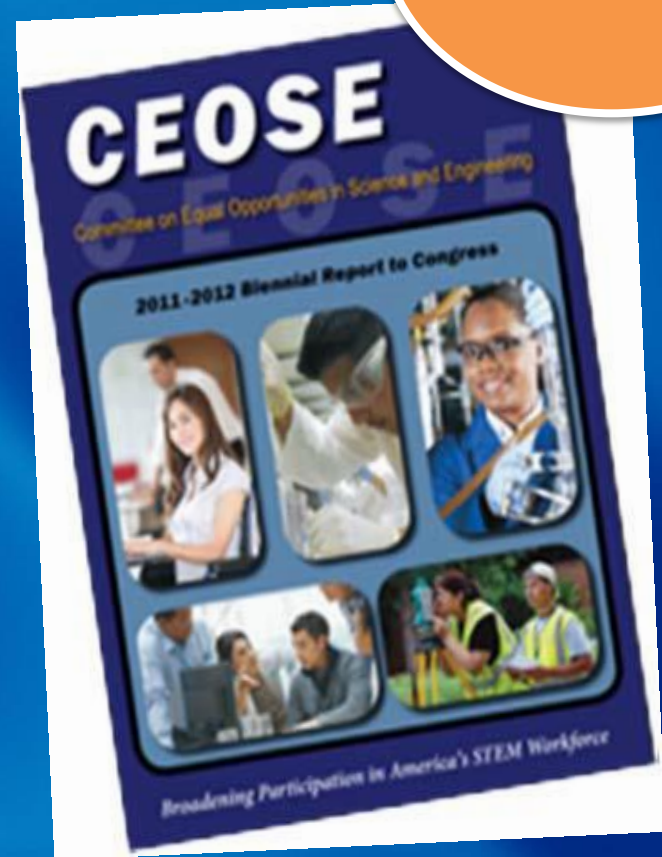


Ongoing NSF-Wide Priorities



SEES

Broadening
Participation



NSF-wide Investments

INCLUDES - Inclusion across the Nation of Communities of Learners that have been Underrepresented for Diversity in Engineering and Science

Goal: To mobilize STEM research and education communities for scalable solutions to broadening participation challenges

- Specific inspirational targets - community-driven selection
- Two evidence based pilots:
 - ✓ Networks for STEM Excellence
 - ✓ Empowering ALL Youth for STEM
- Coherent expansion of discipline-based BP efforts
- Engagement of other stakeholders





Diversity Fueling Excellence in Research and Innovation

A Call to Action to achieve positive change towards greater diversity in the Science, Technology, Engineering and Mathematics (STEM) workforce and leadership, and greater inclusion of biological sex and gender considerations or the “gender dimension” in research content and process.



National Science
Foundation



National Sciences
& Engineering
Research Council



National Council for
Science & Technology
of Mexico



National Institutes
of Health



Canadian Institutes
of Health Research



Portia. Ltd



In Association with
European Commission



Gender Summit 3 – North America

GOALS



- Develop a collective commitment to strengthen human capital development, research and innovation through diversity;
- Demonstrate latest evidence of how incorporating sex and gender consideration into STEM research and innovation contribute to excellence; and
- Expand and transform the Gender Summit into a global level forum for collaborative dialogue and activities focused on shaping science and society through the inclusion of gender dimension in research, innovation, and markets for science knowledge.



10 Parallel Roadmap Sessions



- Cultivating and Promoting Future Leaders
- Empowering Voices of Early Career Scientists
- Integrating Gender into Research Content and Methods
- Improving Career Life Balance
- Creating and Sustaining Networks
- Transforming the Role of Gender in STEM and in Communication
- Ensuring Inclusive Excellence through Merit/Peer Review
- Enabling Organizational System
- Pioneers Trailblazing the Future
- Creating Bridges with European Funders



Five Priority Areas

- Policy Context
- Research Context: Content
- Research Context: Process
- Human Capital Development and Advancement
- Multinational Collaboration



The Gender Dimension in Research

- Health
- Environment
- Climate Change
- Food Security
- Transportation



Why Build a Community of Experts?

GS3 Global Forum Goal

- *Expand and transform the Gender Summit into a global level forum for collaborative dialogue and activities focused on shaping science and society through the inclusion of gender dimension in research, innovation, and markets for science knowledge.*

GS3 Related Objective

- *Foster an inclusive community of experts—cross-disciplinary, government, industry, academic, and citizen partnerships—to address scientific and societal grand challenges.*

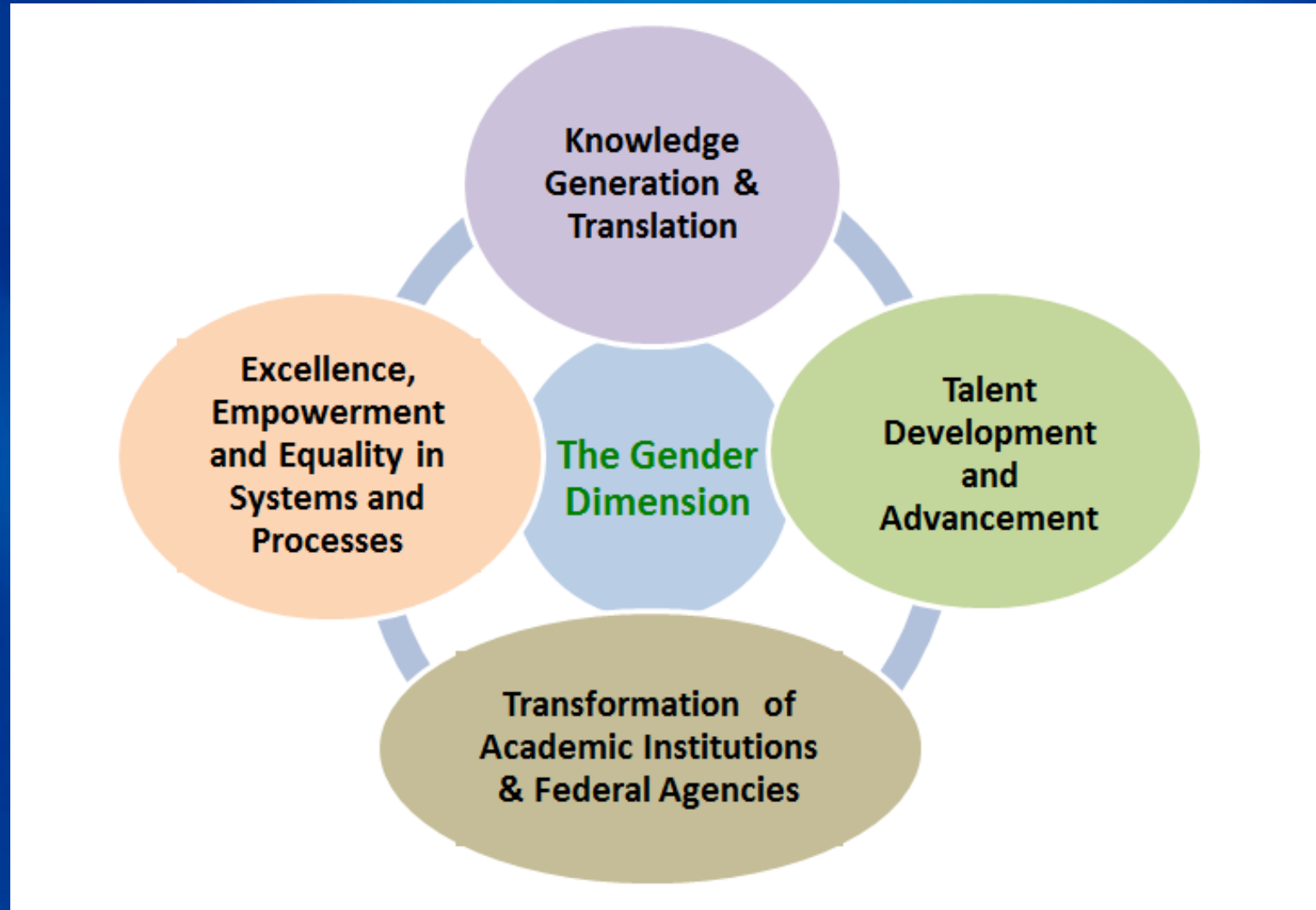


Multinational Collaboration: Building a Global Community of Experts

- Develop a parallel-funded and parallel-administered initiative—the Gender-Focused Multi-national Collaboration (GFMC)—involving the US, Europe, Canada, and Mexico;
- Maintain the GS3 Social Network as a vehicle for community building and engagement;
- Partner internationally to advance greater diversity in STEM through future Gender Summits;
- Foster multi-national opportunities for other countries to host future Gender Summits/promote the participation of other regions of the world; and
- Include or make available global data with the diversity perspective.



Gender-Focused Multi-National Collaboration(s)



G8 Working Group on Research Assessment Meeting (March 19 – 20, 2015)

- Annual meeting about government science agencies' investments among 7 wealthiest nations
Canada, France, Germany, Italy, Japan, United Kingdom, United States (excluding Russia)
- Focus on country updates regarding evaluation and assessment of their research investments
- U. S. topics included:
 - Methodological issues in evaluation of NSF's programs
 - NSF performance reviews and their relationship with NSF's Evaluation and Assessment
 - Text mining at NSF
 - NCSES data collection and trends
 - Portfolio analysis at NIH
 - Evaluation of Department of Energy's investments in research



Organizational Issues

Pre-2004

Division of
International
Programs
(SBE)

2004

Office of
International
Science
and
Engineering
(OD)

2010

ISE Charge with
restructuring
of
programmatic
focus and
resources

2012

Four OD
offices
realigned

2015

Office of
International
Science
and
Engineering
(OD)

OPP / GEO

OCI / CISE

OISE / OIIA



Thank You!

